January 2022 Weather Digest

January 2022 Weather Summary

It was a typical January this year, with the majority of the month dry, while just a few days of the month brought all the precipitation. On Jan. 2/3, a Pacific storm moved across the area bringing strong winds, moderate mountain snow and light rain to the desert areas. At mid month, from Jan. 15-18, a series of Pacific storms swept across the Borderland. The strongest was the first on the 15th, which produced wind gusts of 50 to 75 mph. This period brought about half of the month's precipitation. This pattern also ushered in a prolonged stretch of cold temperatures through Jan. 27. One last storm moved through on Jan 24-25. This produced a couple of inches of snow for the mountains and even much of the desert areas received a dusting of snow. For the month, temperatures were generally a bit below normal.

Precipitation for the month generally ran around 70 to 150 percent of normal, with the wettest spots Grant, Otero and Hudspeth Counties. Grant County and the Mogollon Rim country extending northwest into central Arizona saw exceptionally heavy precipitation.

January 2022 Weather Summary, cont'd

Looking ahead to February, we continue the warmup to summer. At El Paso, the high temperature on Feb. 1 is 61 degrees, increasing to 67 degrees on the last day of the month. Daylight on the first is 10 hours, 41 minutes, increasing to 11 hours, 28 minutes on the last day of the month.

The February full moon, also known as the Snow Moon, occurs on the 5th. The new moon occurs on the 20th. There are no lunar or solar eclipses in February; we will have to wait until April for that.


Jan 3 Snow Franklin Mtns


Jan 3 Snow Franklin Mtns


Jan 3 Snow Franklin Mtns


Jan 3 Snow McKelligon Canyon


Jan 3 Transmountain Snow

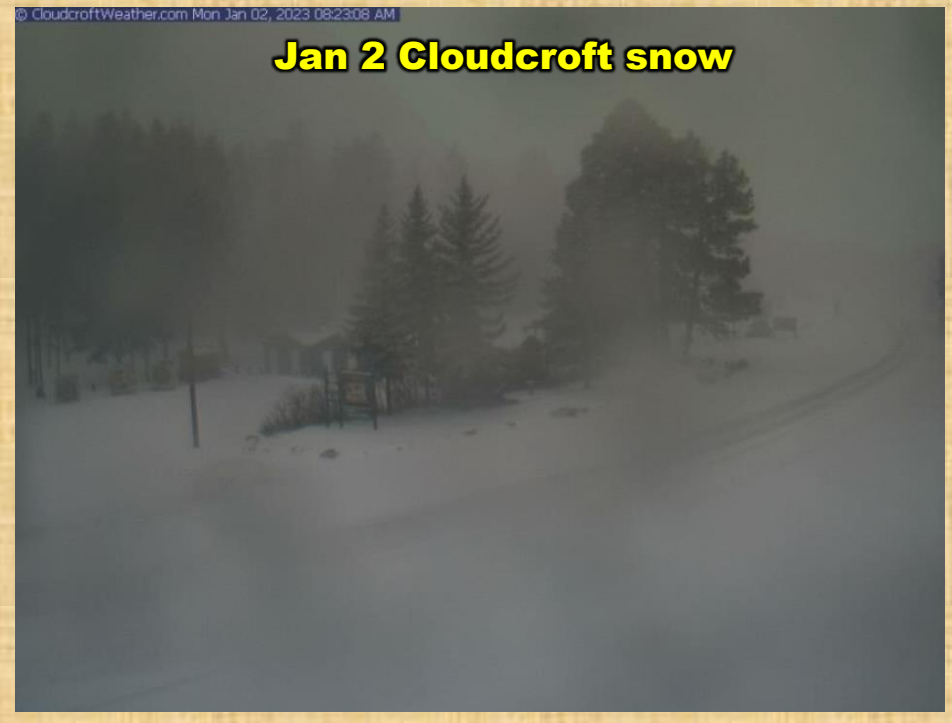

Jan 3 Snow near Transmountain
Texas Department of Transportation
/02/23 08:39:11 AM


Jan 3 San Augustin Pass snow


Jan 3 snow near San Augustin Pass.


Jan 3 Silver City Snow


Jan 3 Snow near Silver City


© CloudcroftWeather.com Mon Jan 02, 2023 08:23:08 AM
Jan 2 Cloudcroft snow


Jan 2 Ruidoso snow


Jan 24 Transmountain Snow


Jan 24 Transmountain Snow


Jan 24 Elephant Butte Snow


Jan 24 Rockslide Hwy 82
40

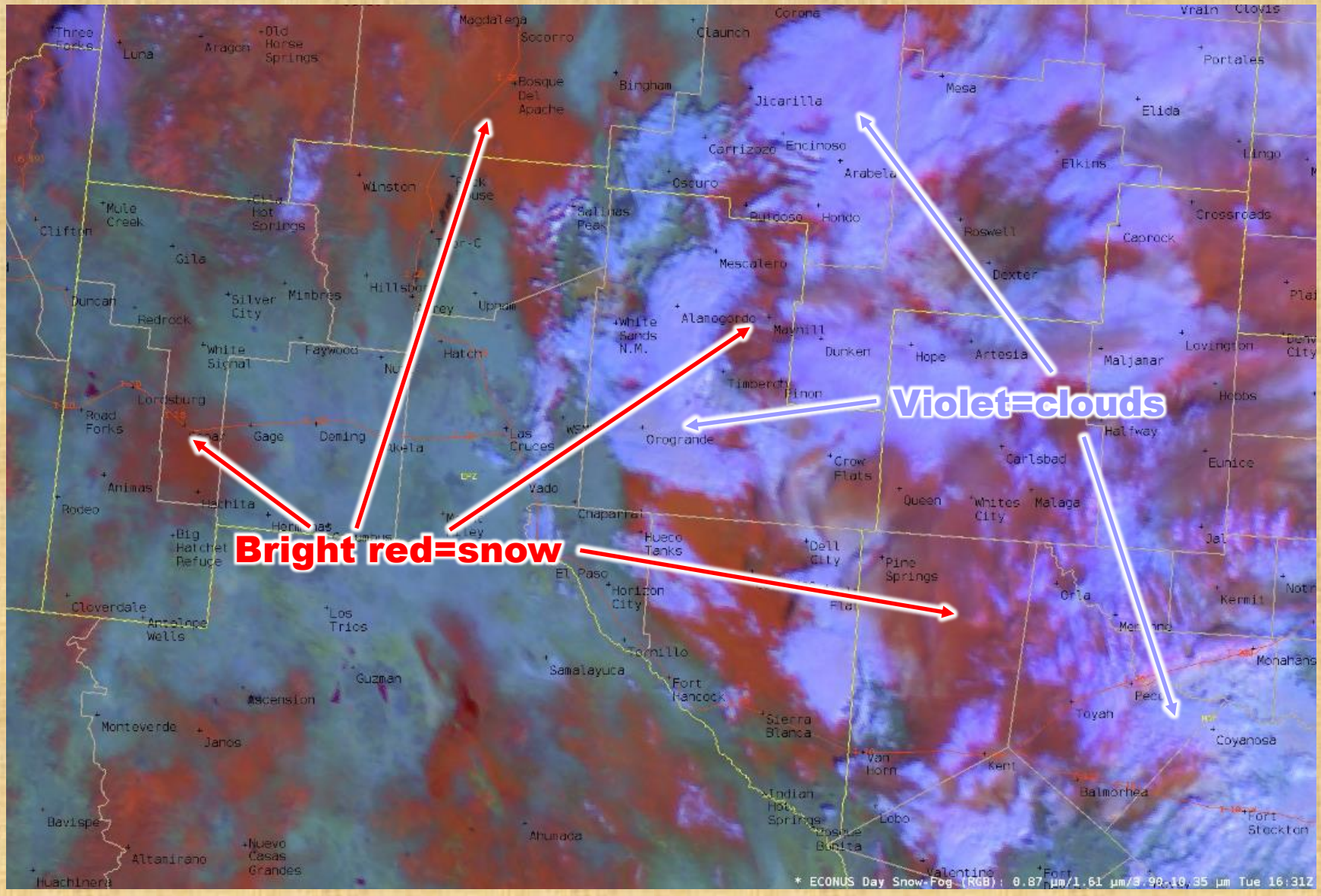

Jan 17 Cloudcroft Snow


Jan 24 Cloudcroft Snow
PINE STUMP MALL
DAVE'S CAFE


Jan 24 Cloudcroft Snow


Jan 24 Cloudcroft Snow

Jan 24 Snowfall from Satellite View



ENSO Alert System Status: La Niña Advisory in Affect

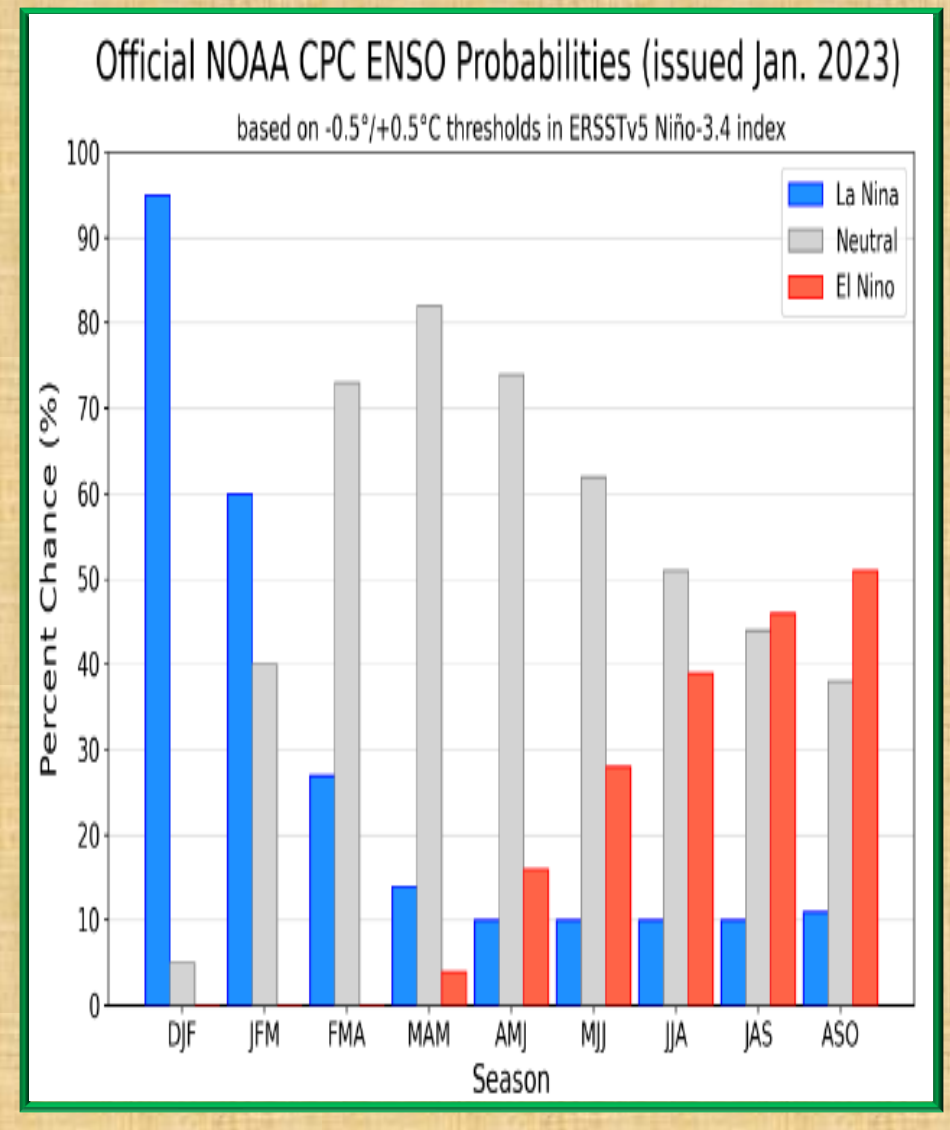
ENSO Alert System

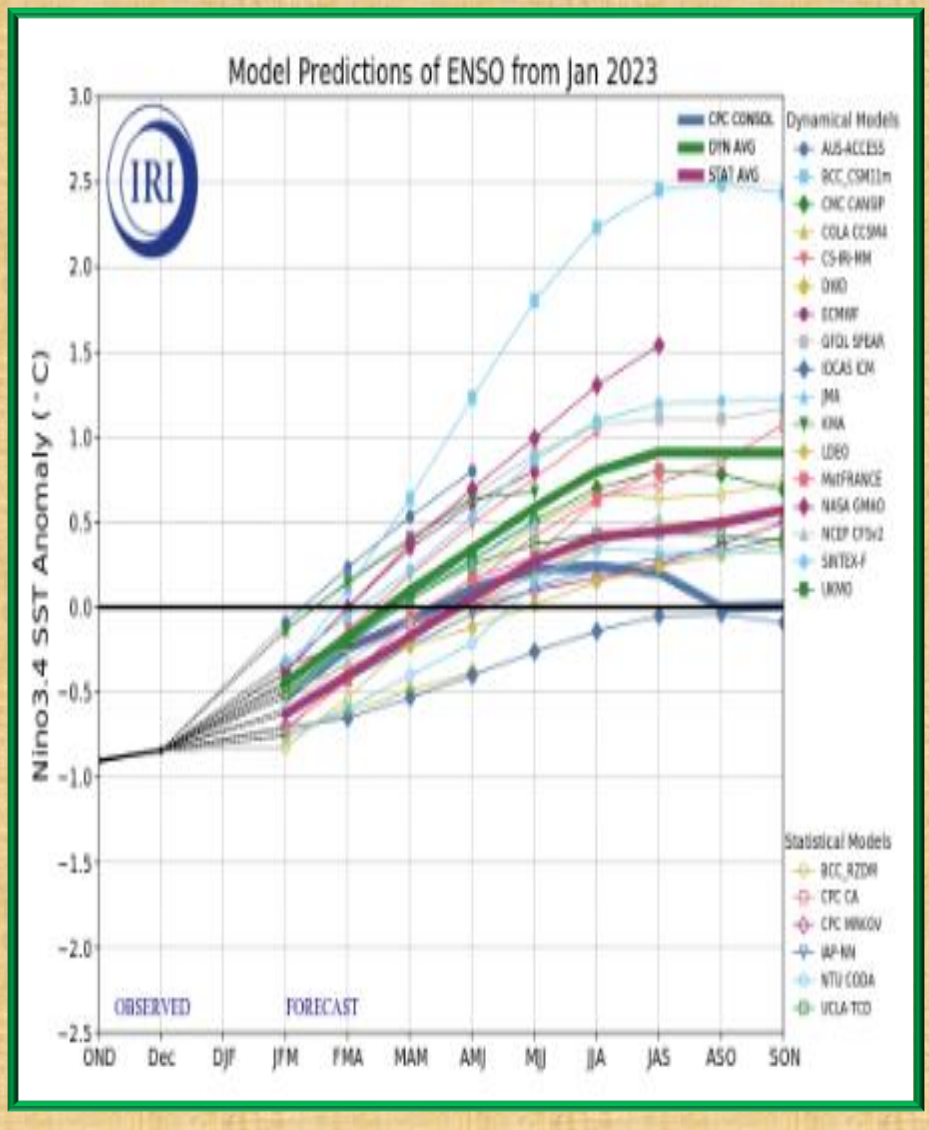
- El Niño or La Niña Watch: Issued when conditions are favorable for the development of El Niño or La Niña conditions in the next six months.

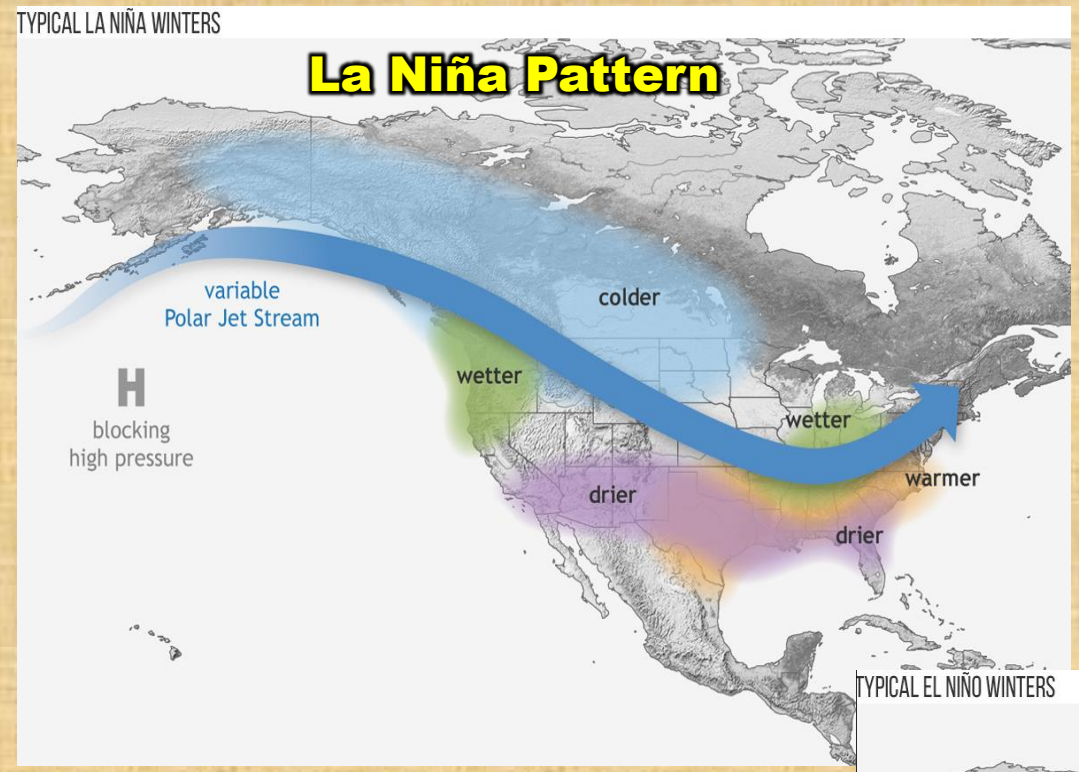
- El Niño or La Niña Advisory: Issued when El Niño or La Niña conditions are observed and expected to continue.

ENSO Forecast

ENSO is in La Niña status. Forecast shows La Niña lasting another month or two, then likely transitioning to neutral for the summer of 2023.

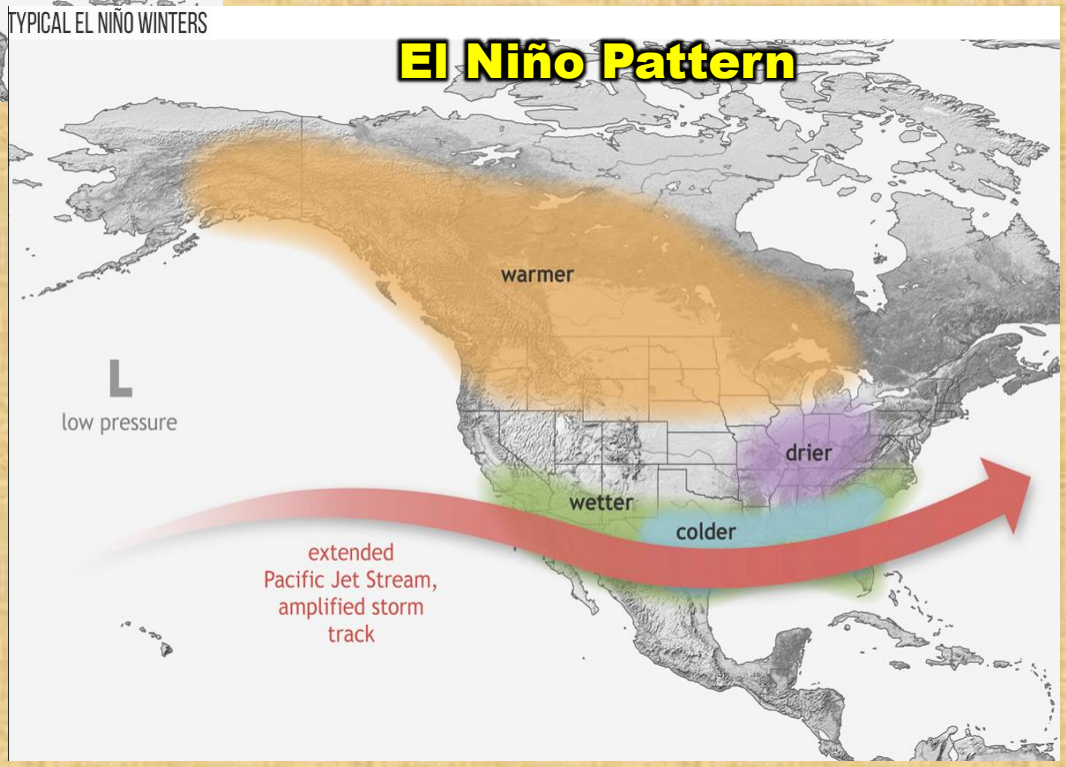


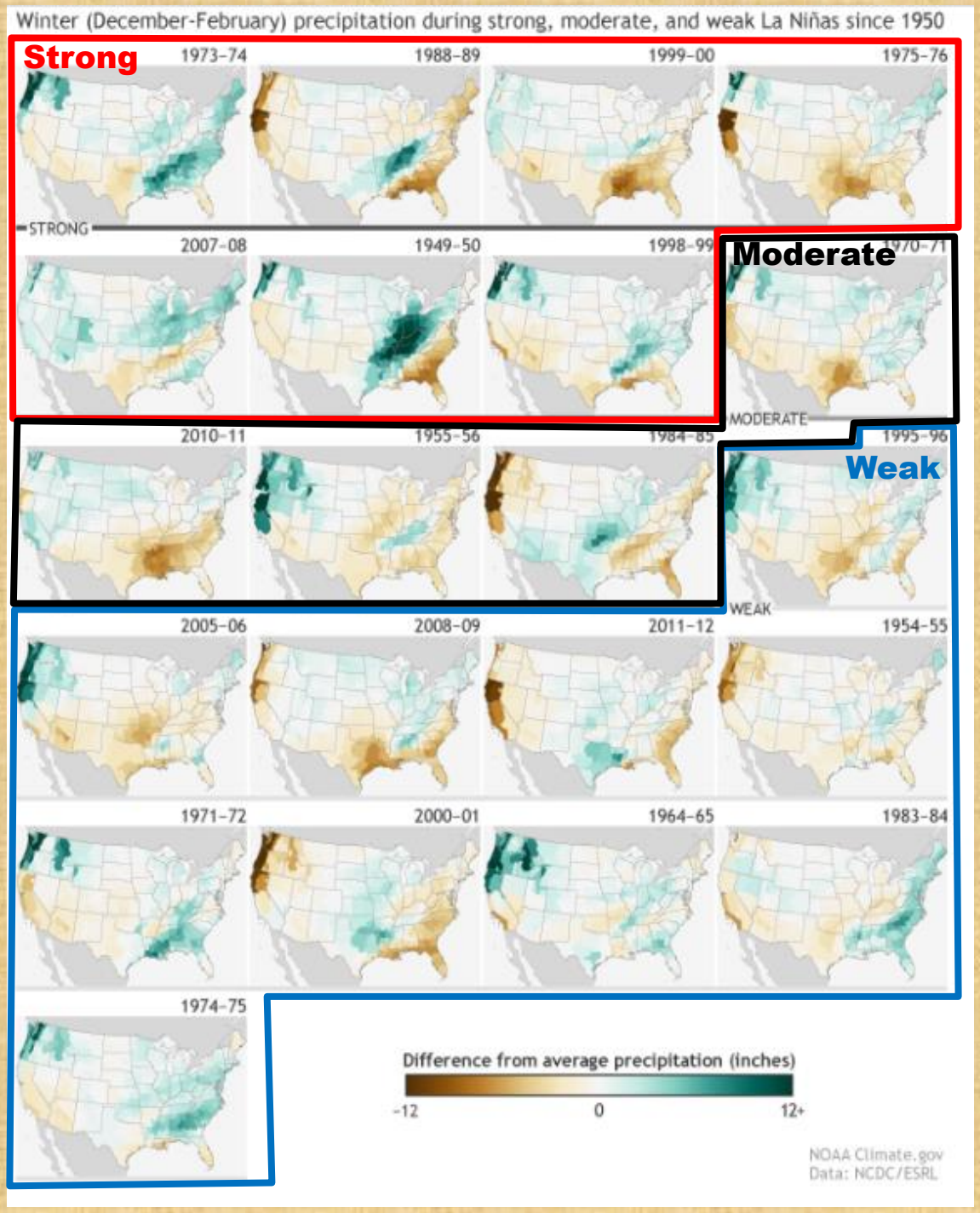




With a La Niña pattern, a ridge of high pressure tends to build off the west coast of the U.S., blocking most of our Pacific winter storm systems. These storms tend to end up moving across the northern Plains and down to the southeastern part of the country. Of course it is important to remember that these patterns are only what typically happens and are not guaranteed to occur.

With El Niño, we often see the opposite pattern where the eastern Pacific ridge of high pressure is often weak or non-existent, allowing winter storms to sweep across the southern U.S. This typically will give the south-western U.S. above normal precipitation.



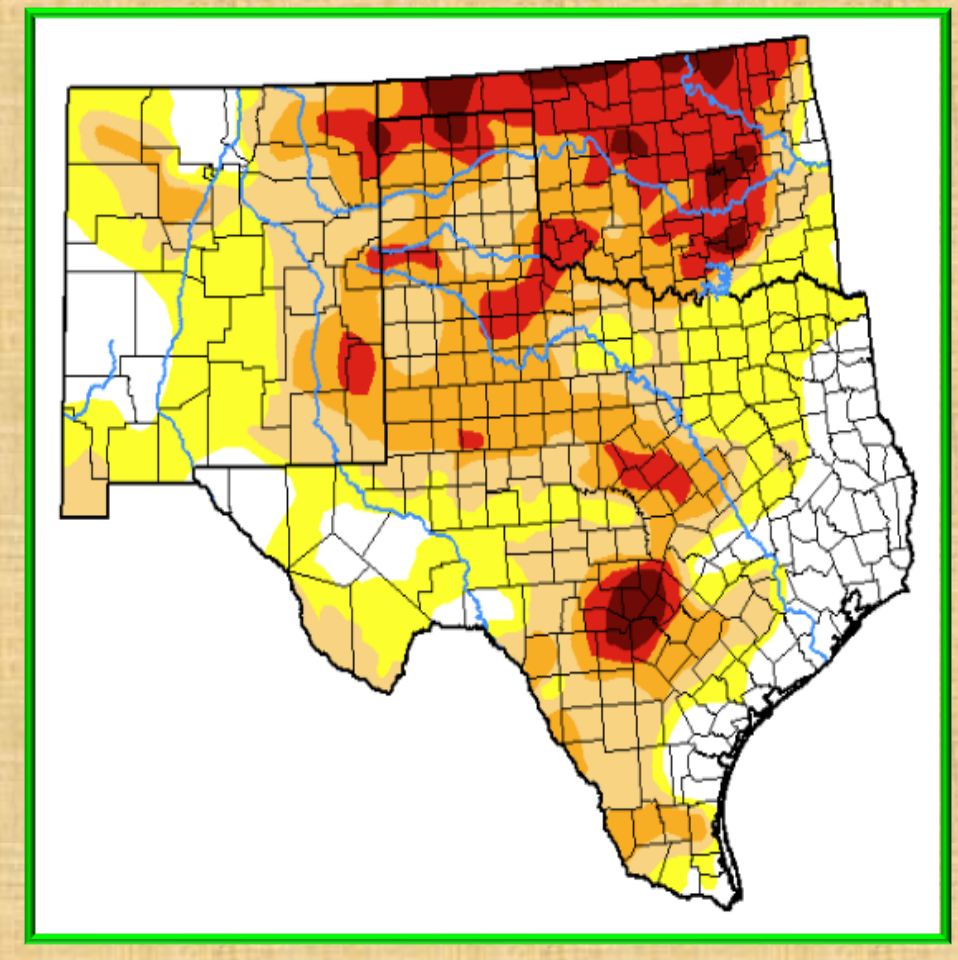


Examples of the numerous La Niña winters since 1950. These maps depict the departure from normal precipitation amounts for a winter.

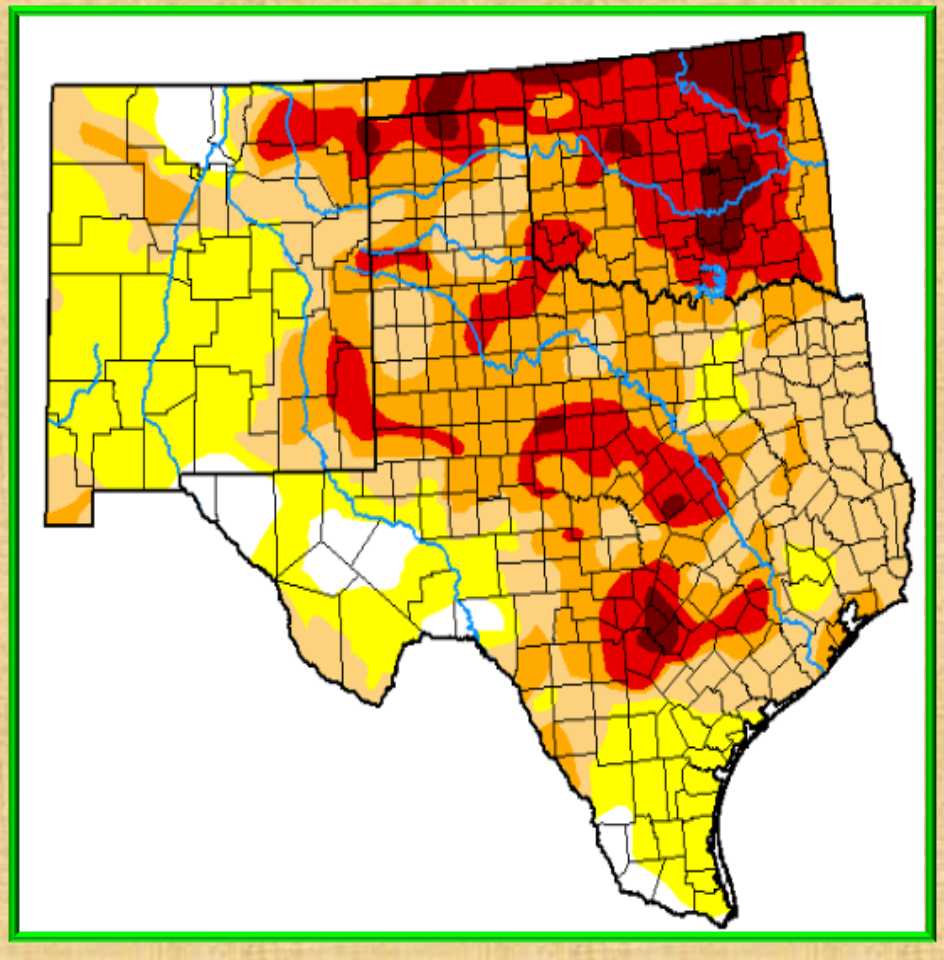
Current drought conditions and 3 month change

- Abnormally Dry – D0
- Moderate Drought – D1
- Severe Drought – D2
- Extreme Drought – D3
- Exceptional – D4

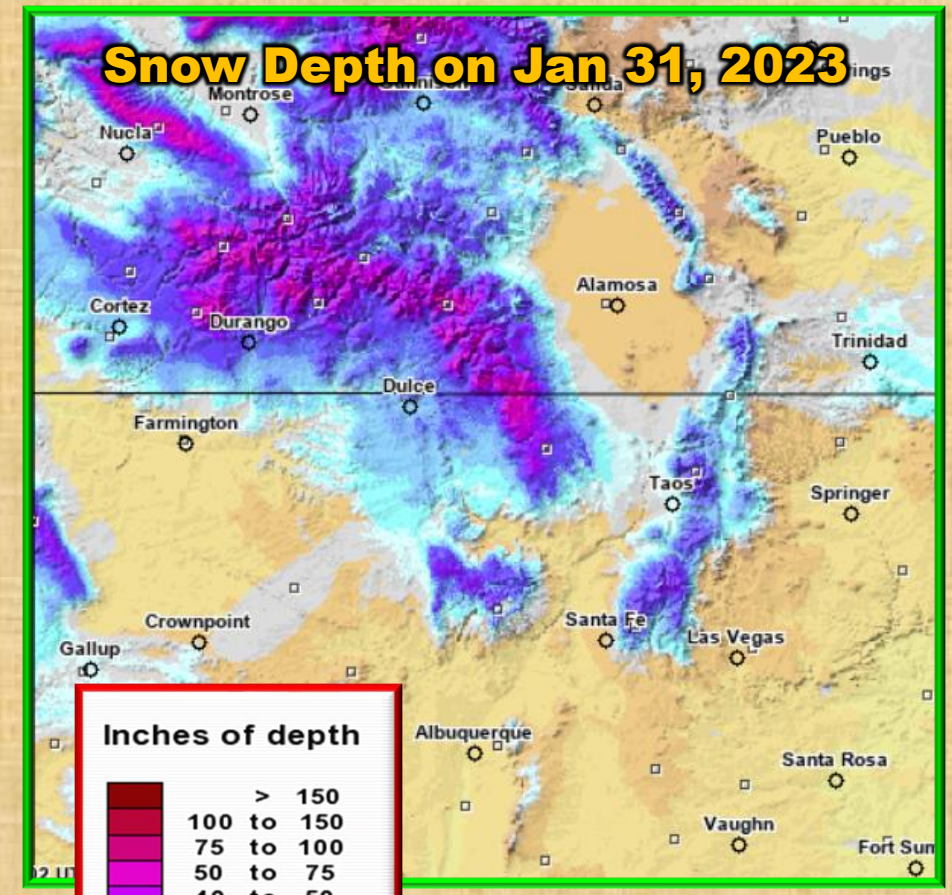
January 24, 2023

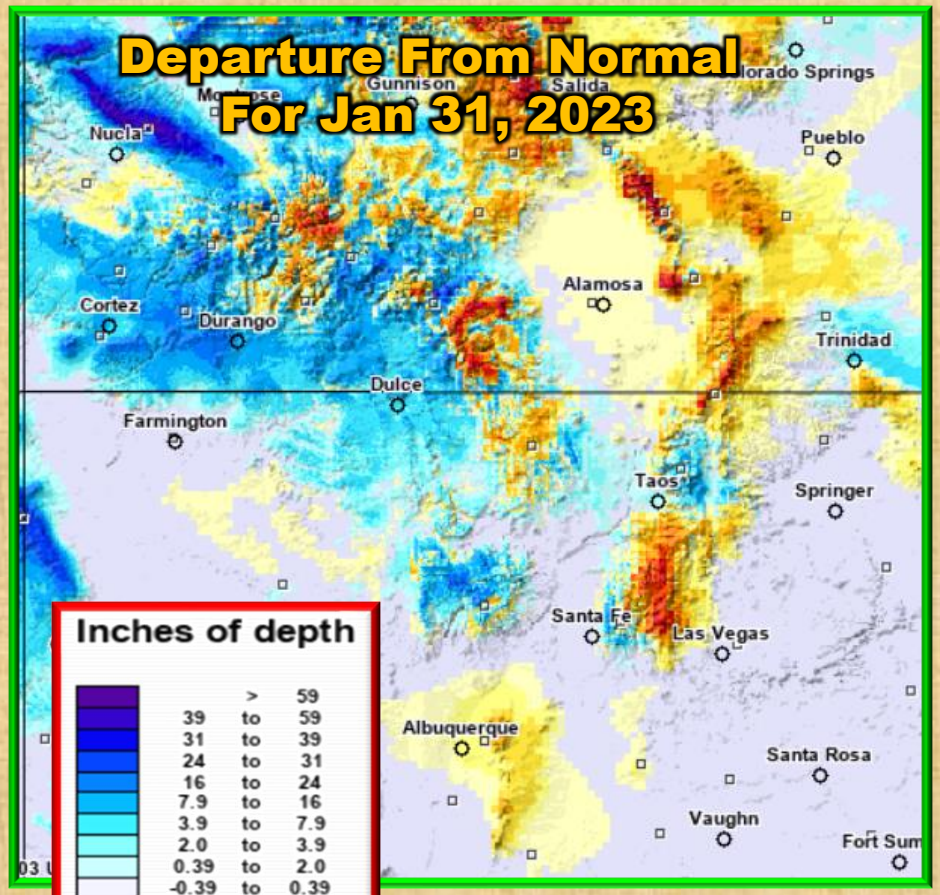


October 25, 2022

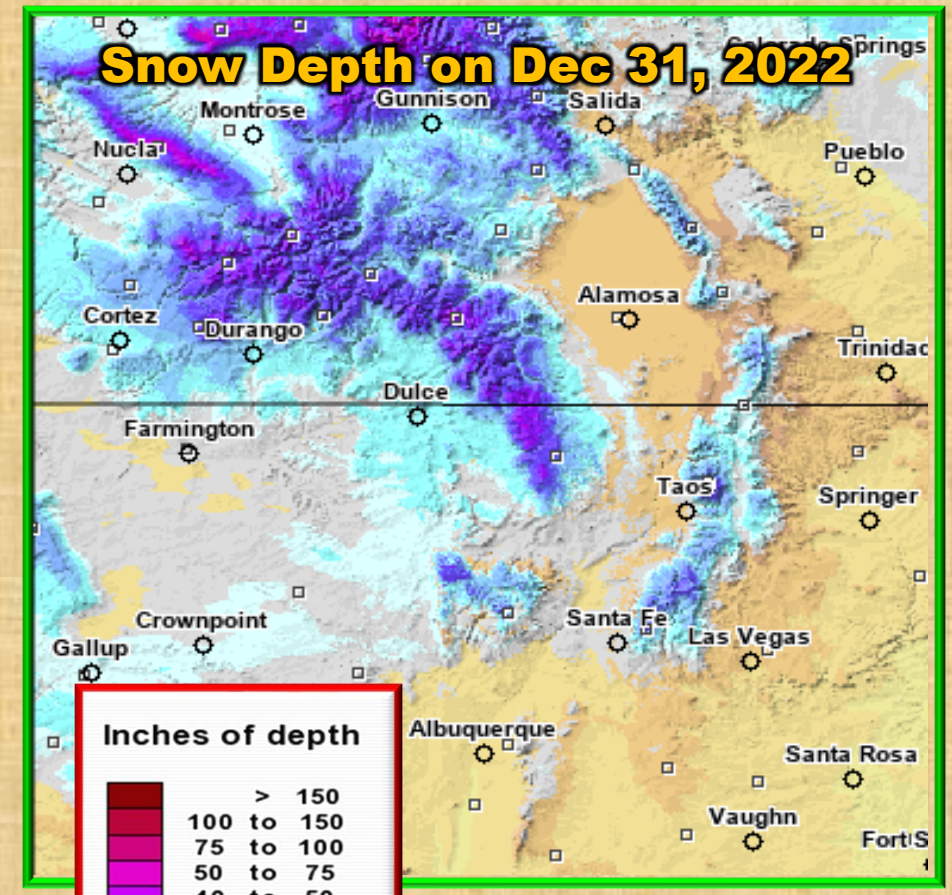


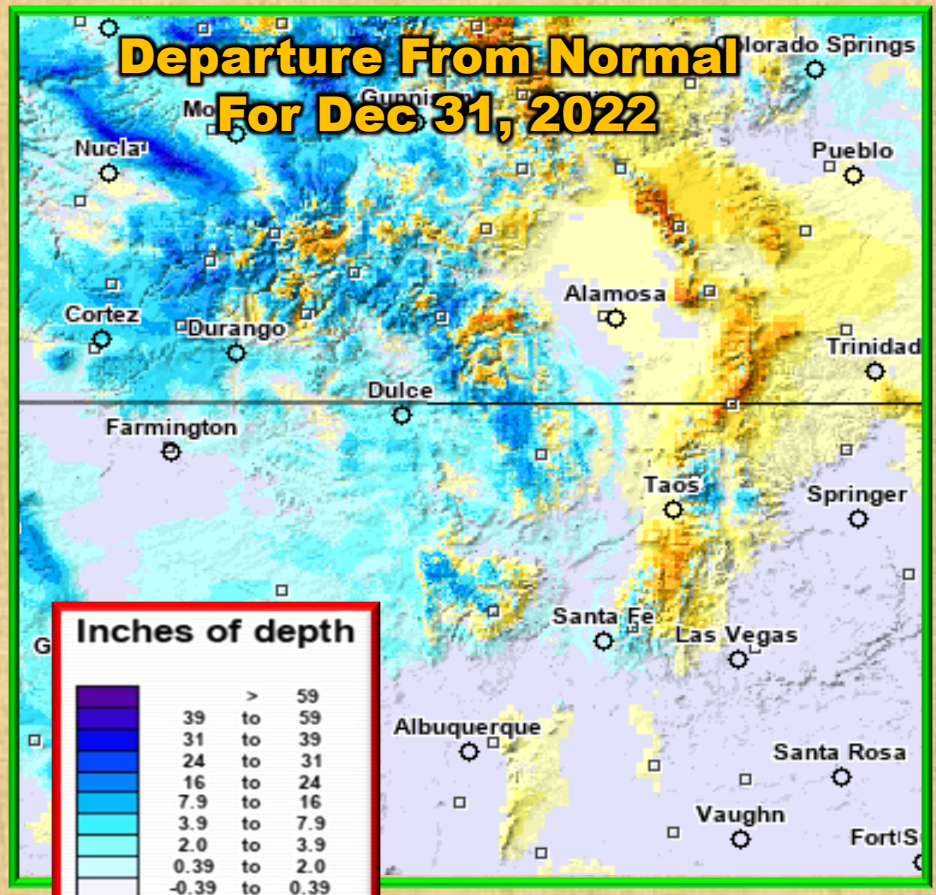
Snow Data Upper Rio Grand Basin as of Jan 31, 2023





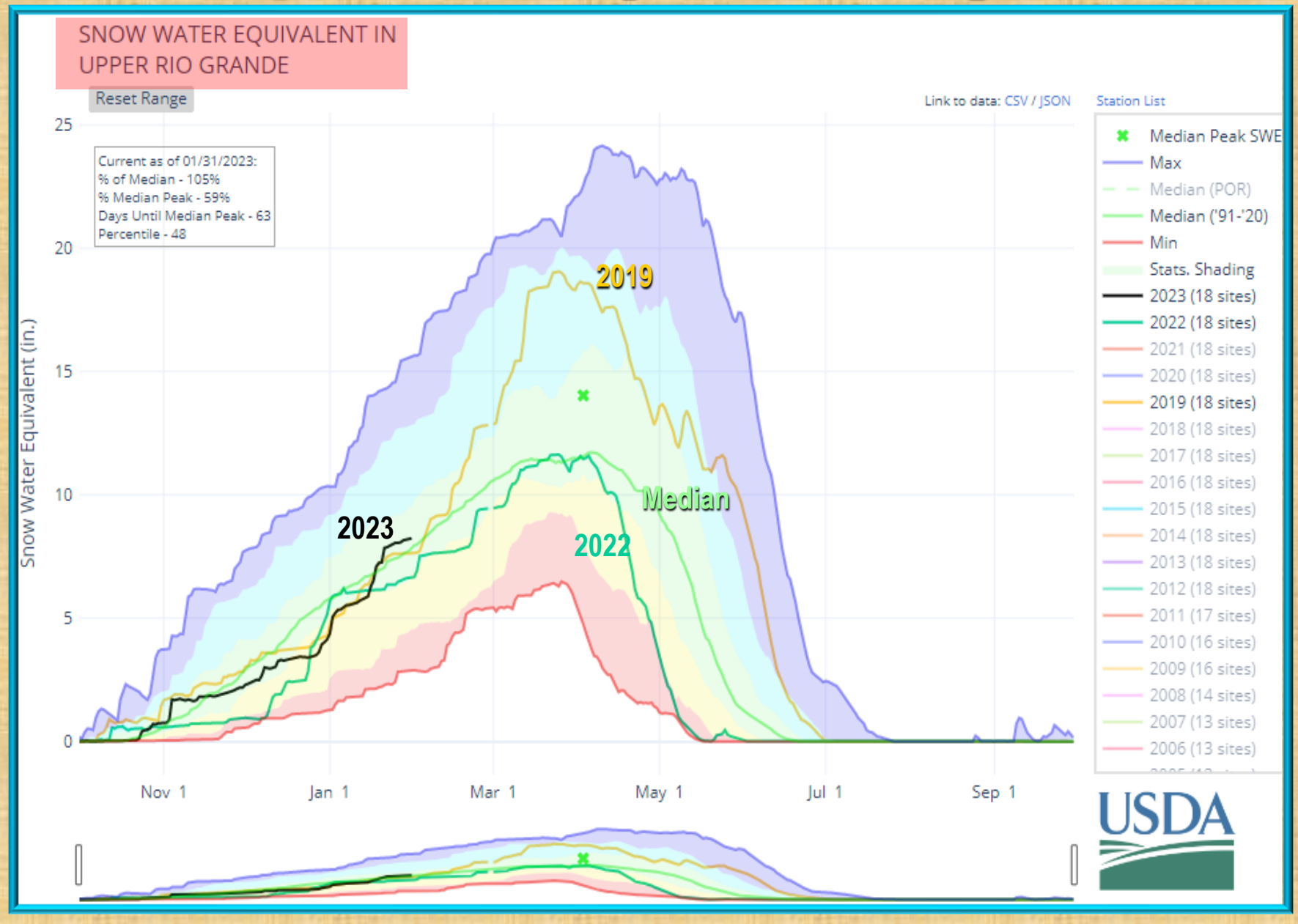
Snow Data Upper Rio Grand Basin as of Dec 31, 2022





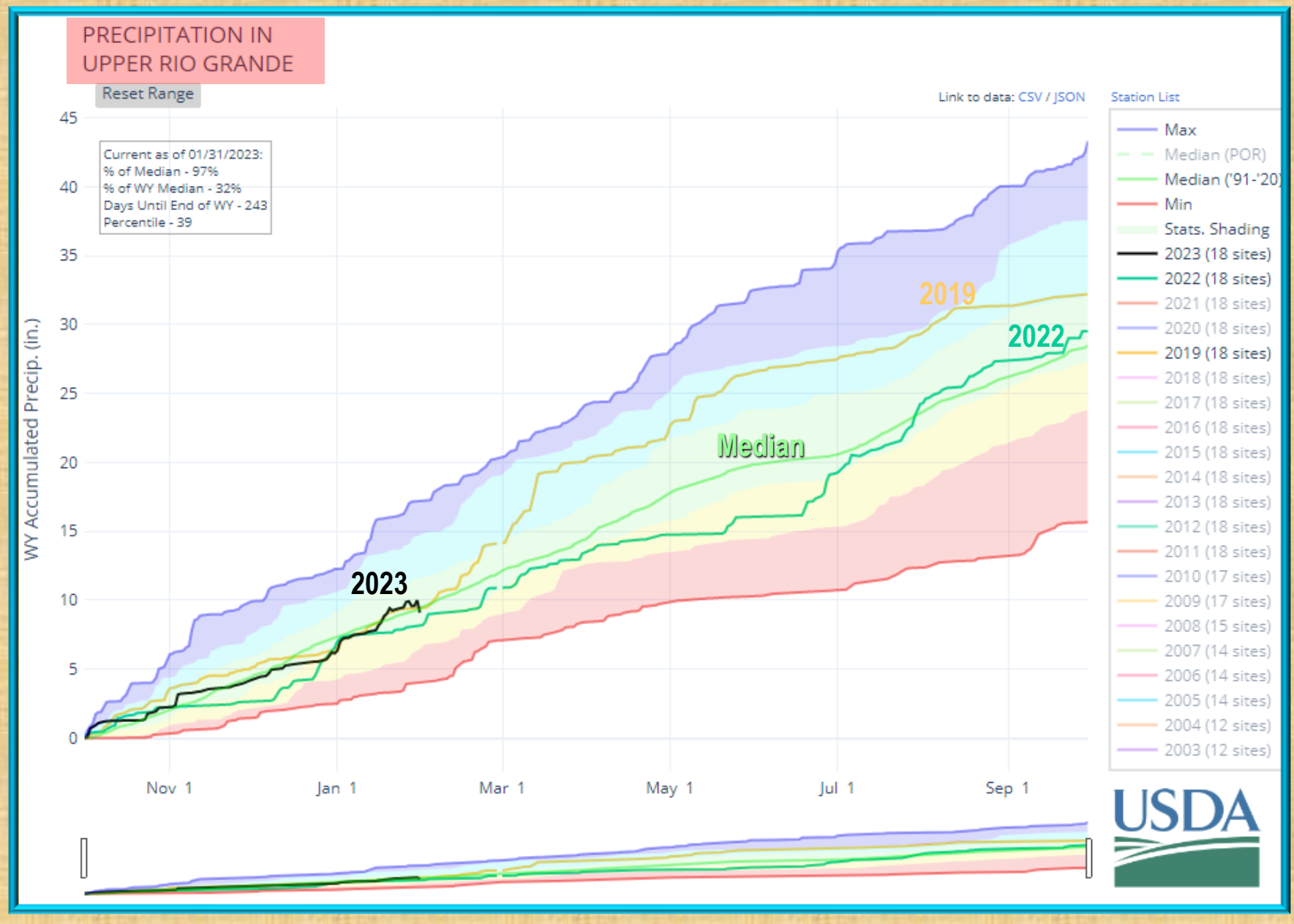
Snow Water Equivalent as of Jan 31, 2023

Compare to last few years and average values



Precipitation for the Water Year Oct 1 – Jan 31, 2023

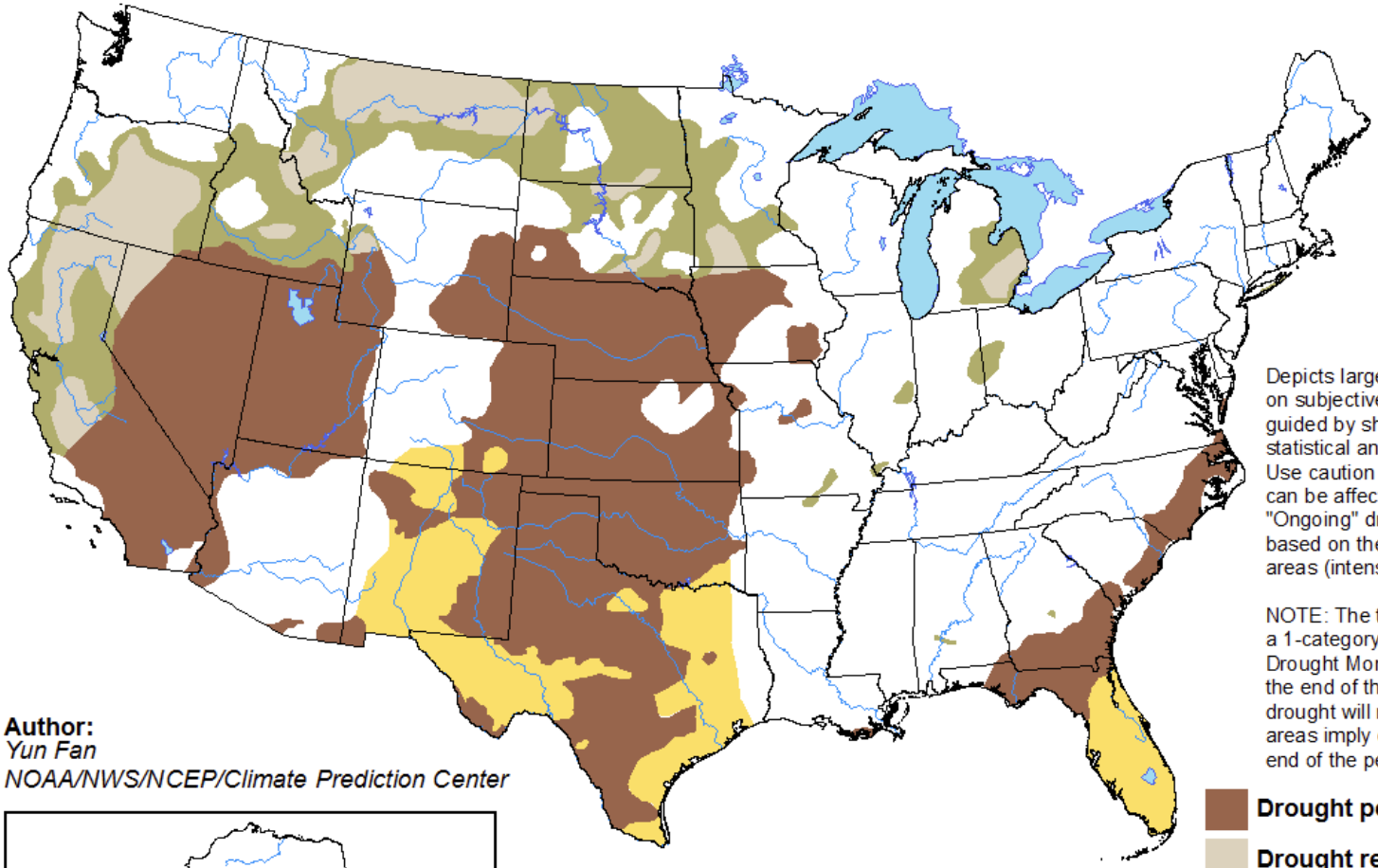
Compare to last few years and average values



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for January 19 - April 30, 2023
Released January 19



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

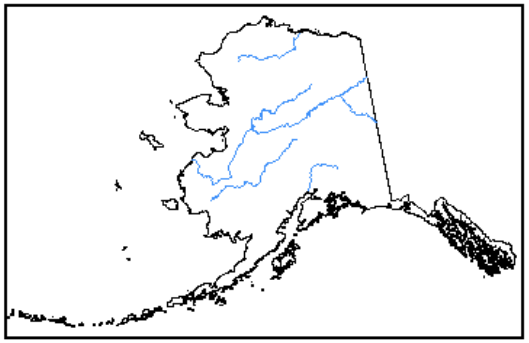
Drought persists

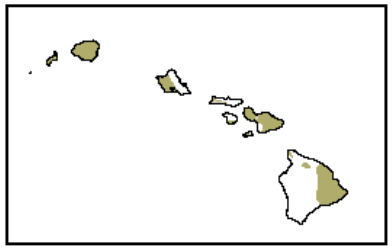
Drought remains but improves

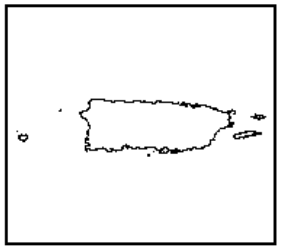
Drought removal likely

Drought development likely

Author:
Yun Fan
NOAA/NWS/NCEP/Climate Prediction Center



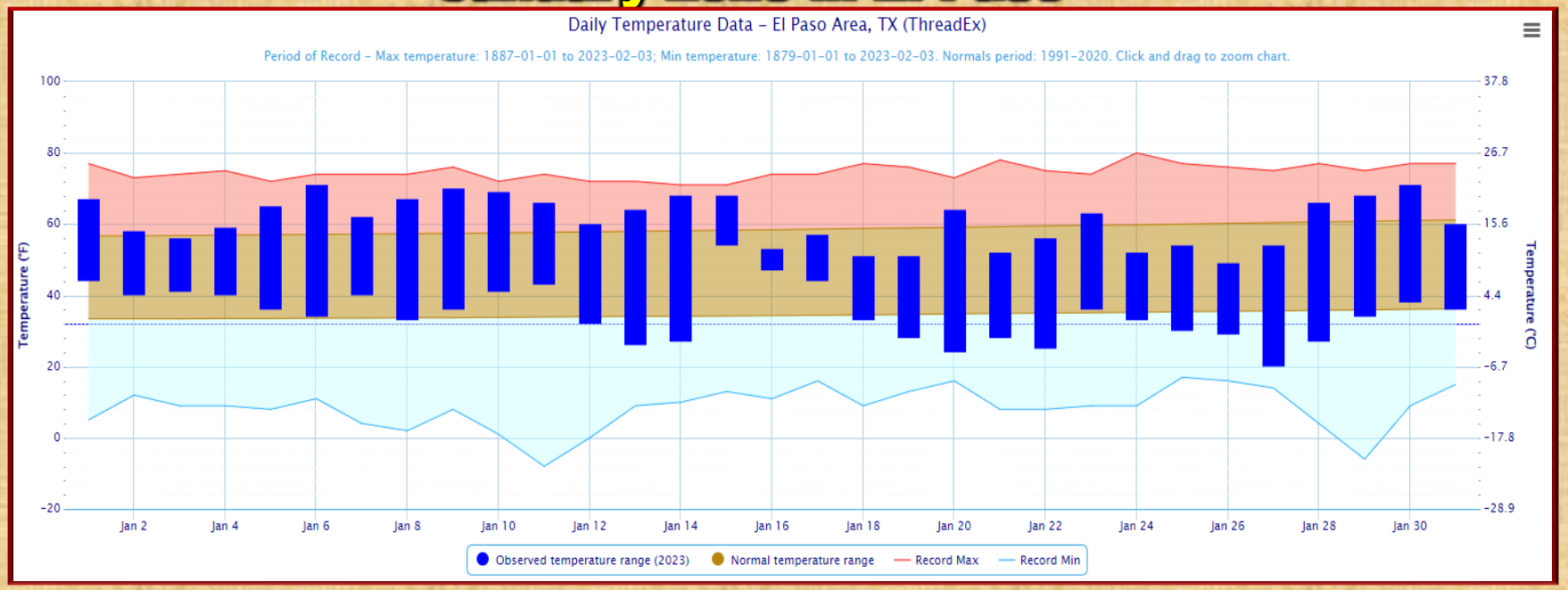


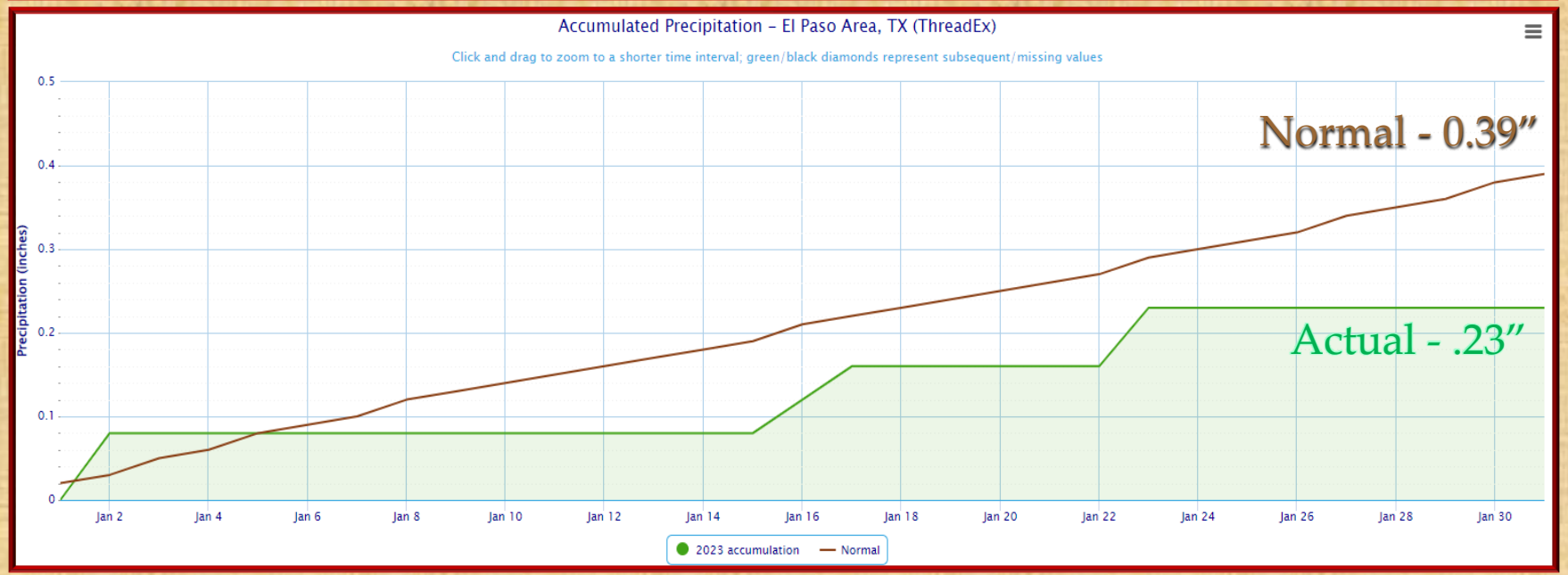


http://go.usa.gov/3eZ73

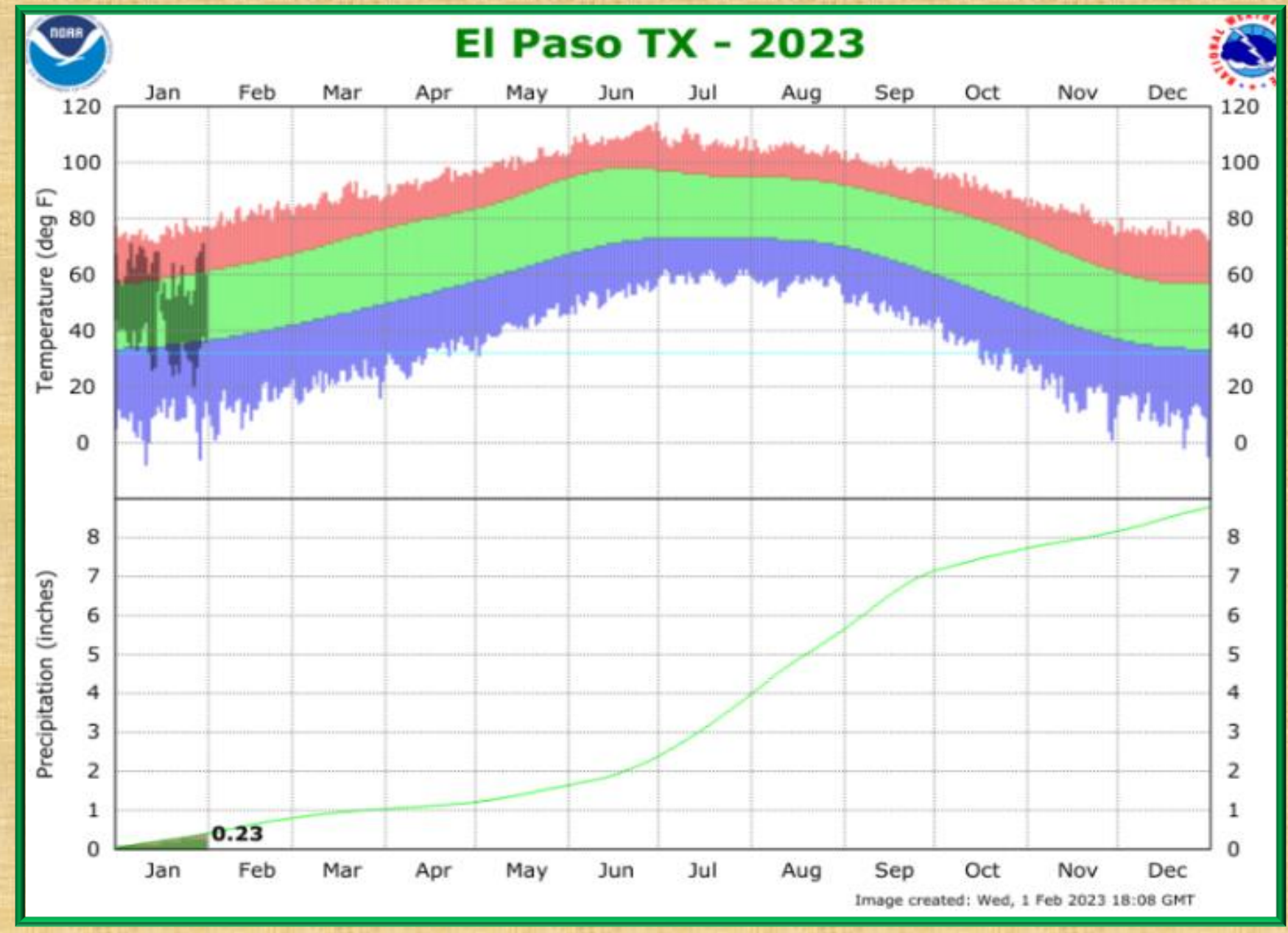
Temperature and precipitation data for January 2023 in El Paso

= record

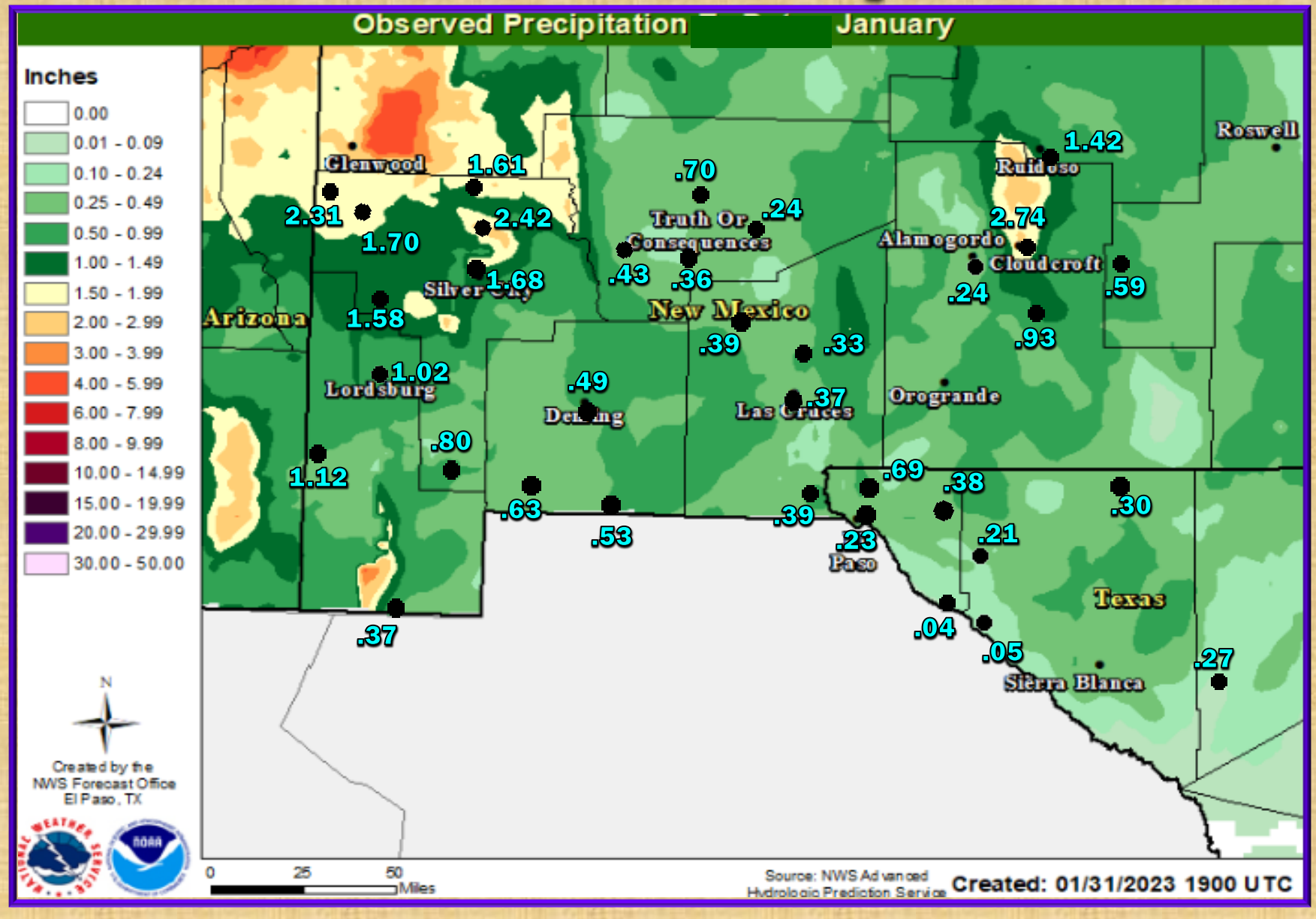




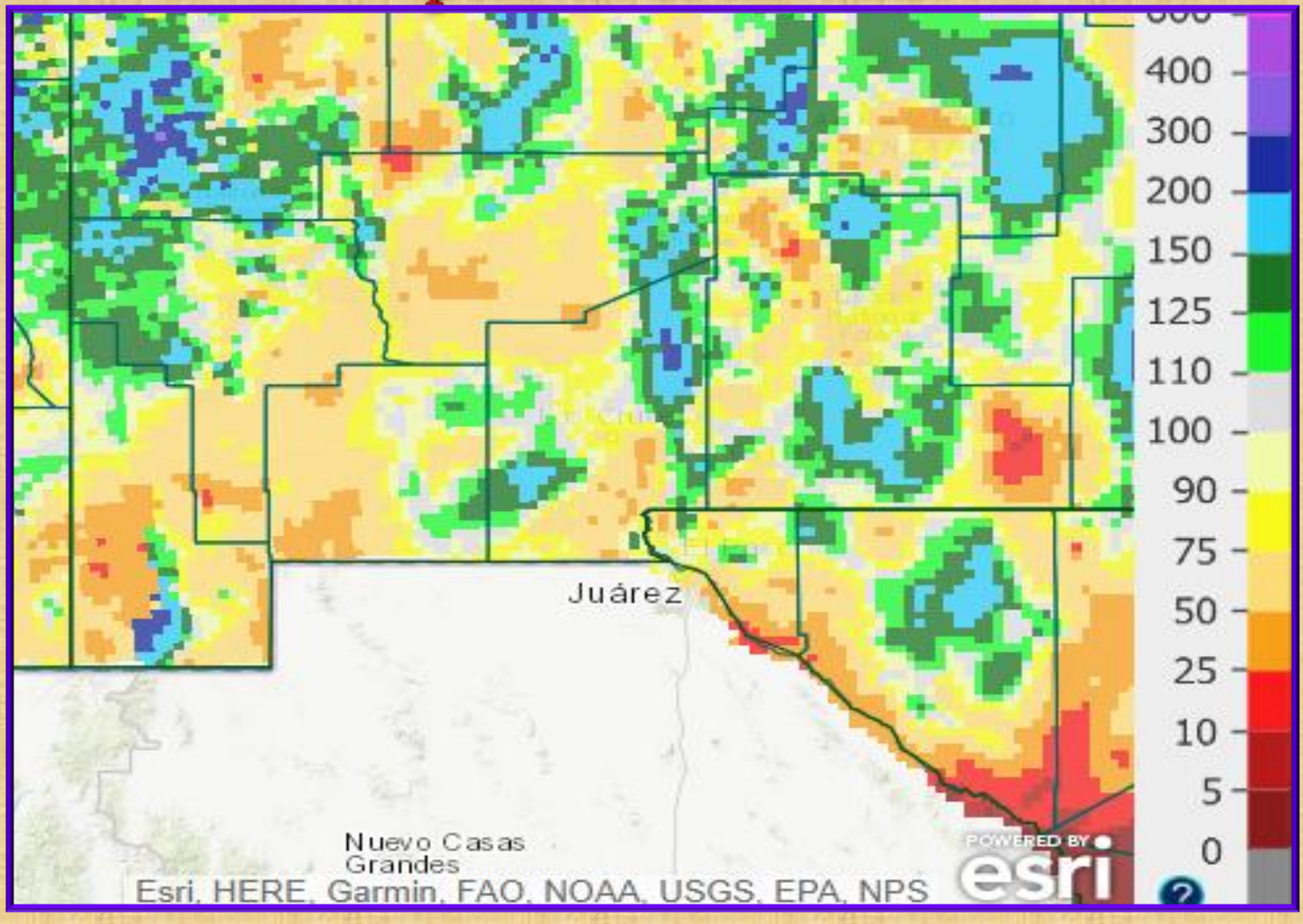
Temperature and Precipitation for 2023 for El Paso



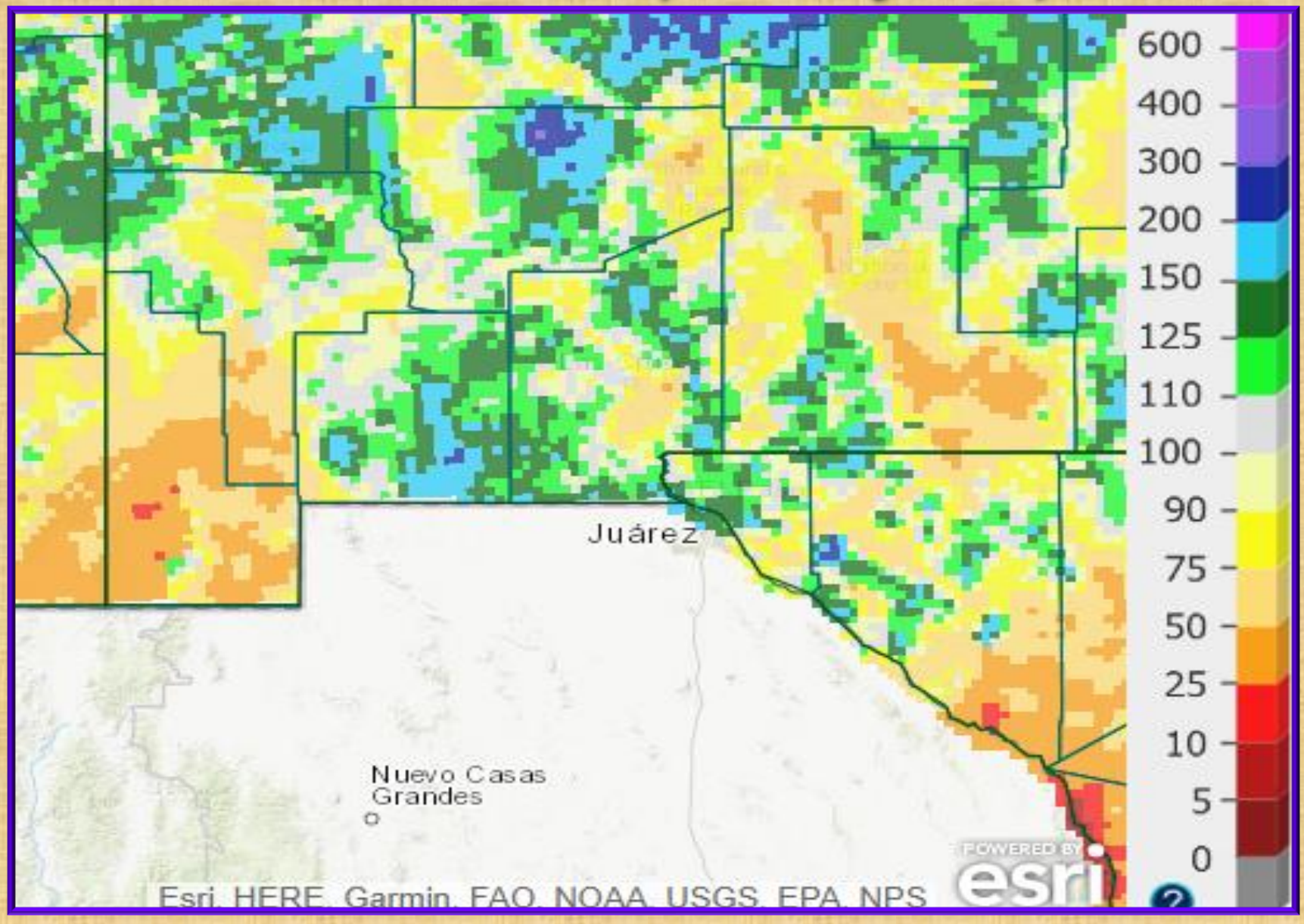
January 2023 radar rainfall estimate with surface rainfall reports



January 2023 rainfall estimate percent of normal

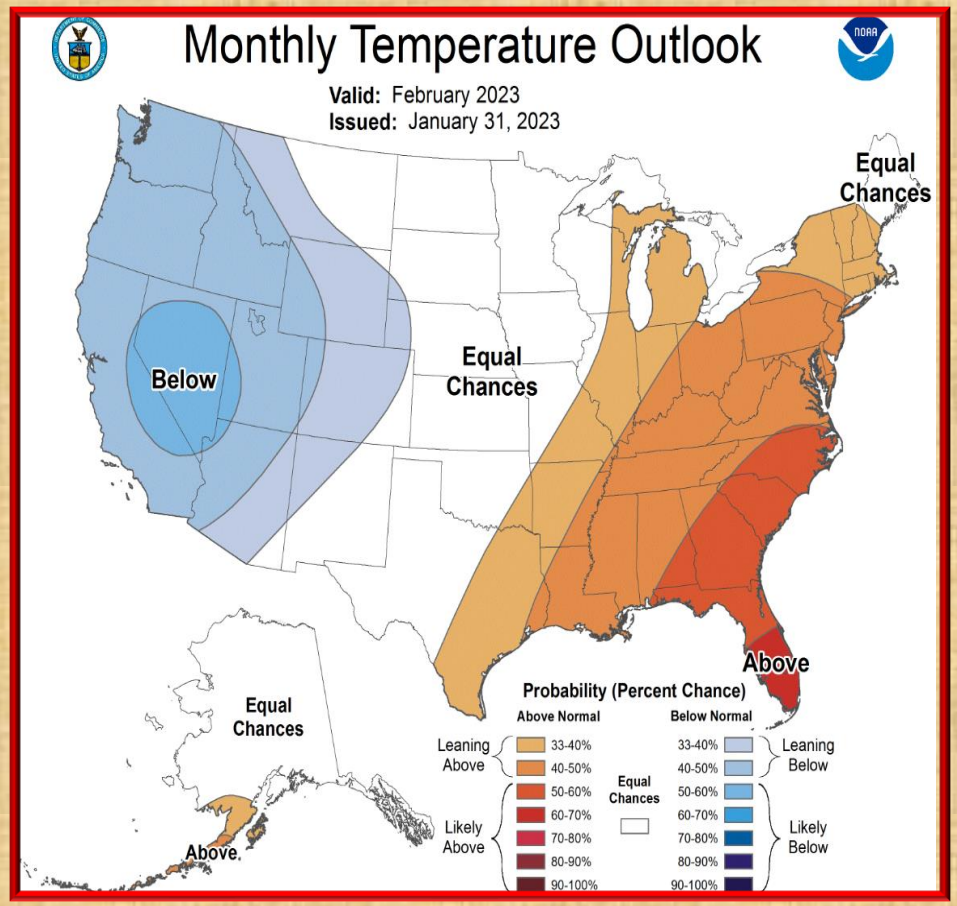


Radar rainfall estimate percent of normal for the Water Year (Oct 1 – Jan 31)

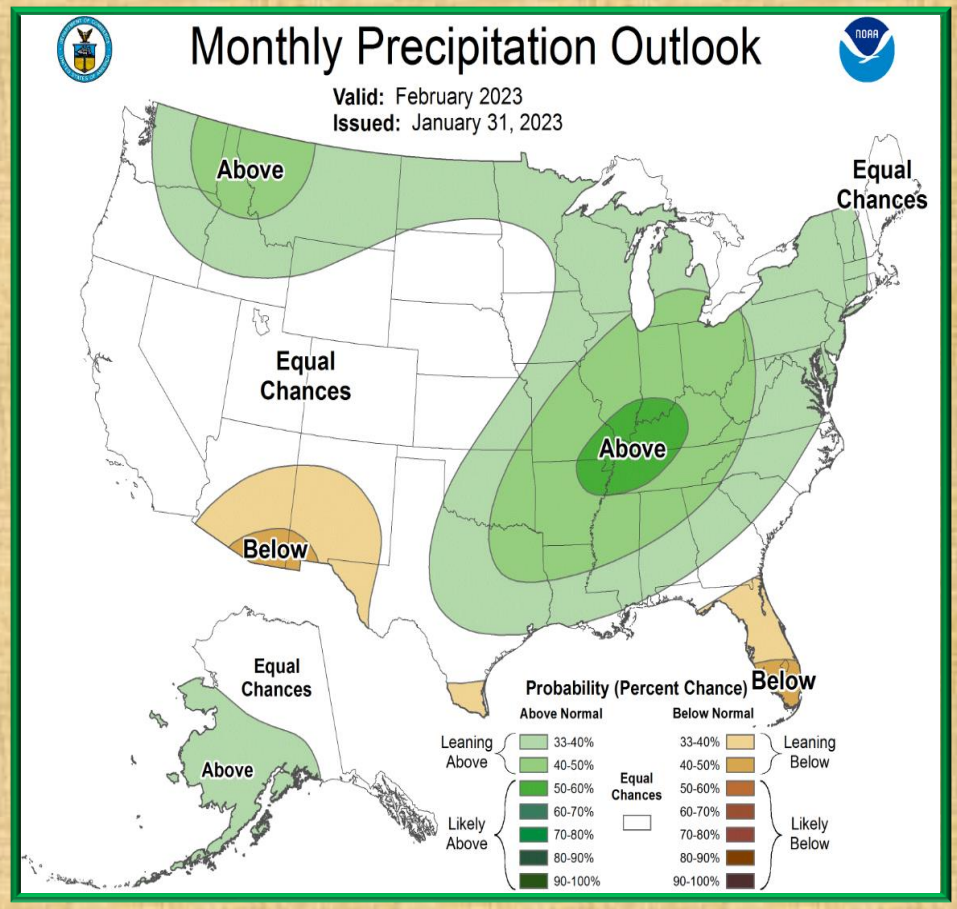


Temperature and precipitation outlook For February 2023

Temperature

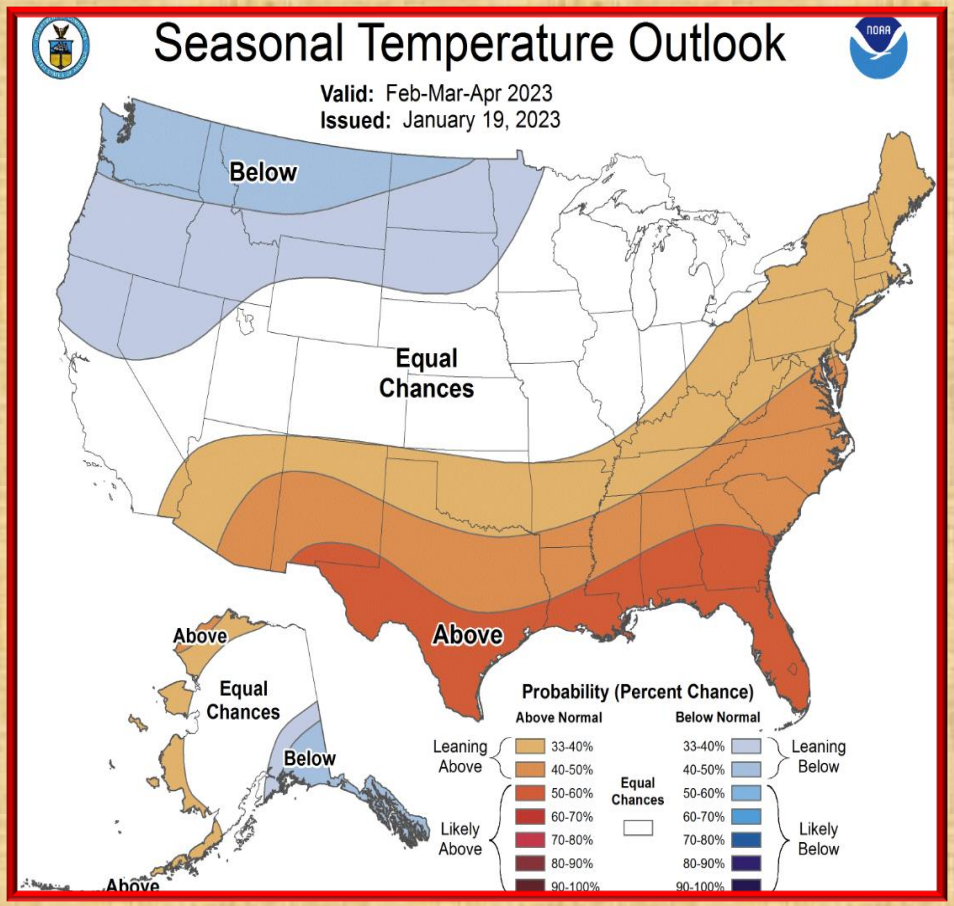


Precipitation

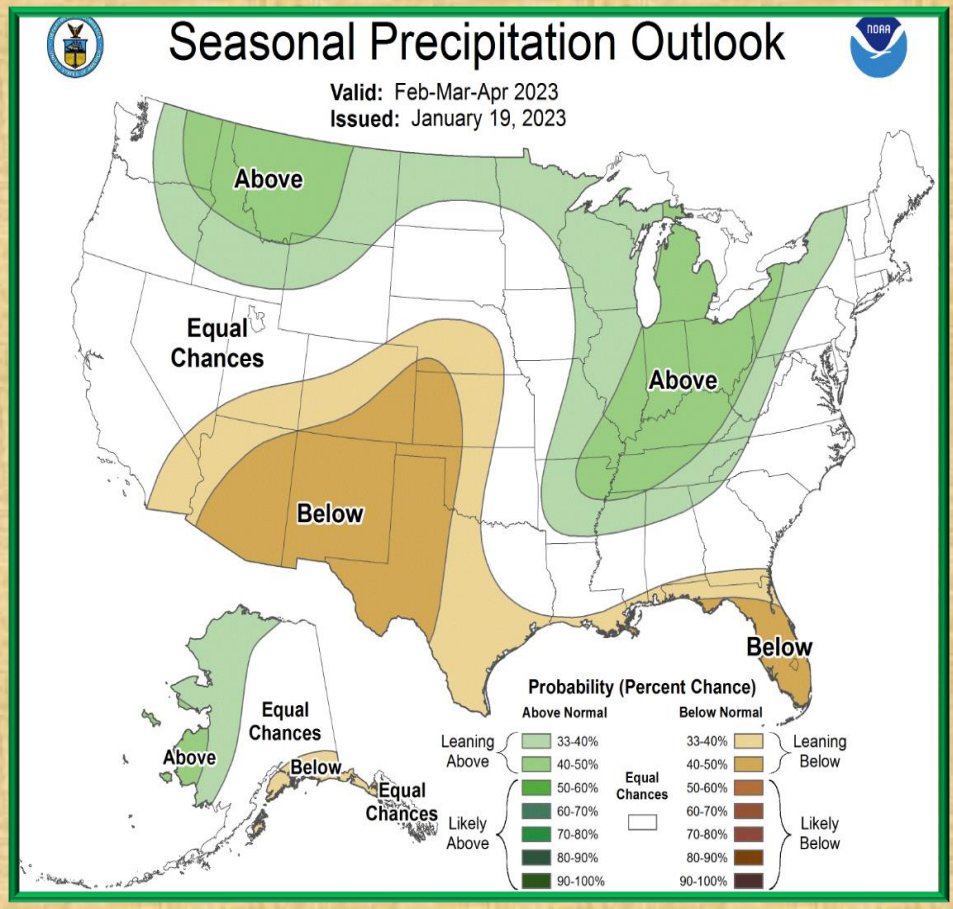


Temperature and precipitation outlook for Feb-Apr 2023

Temperature

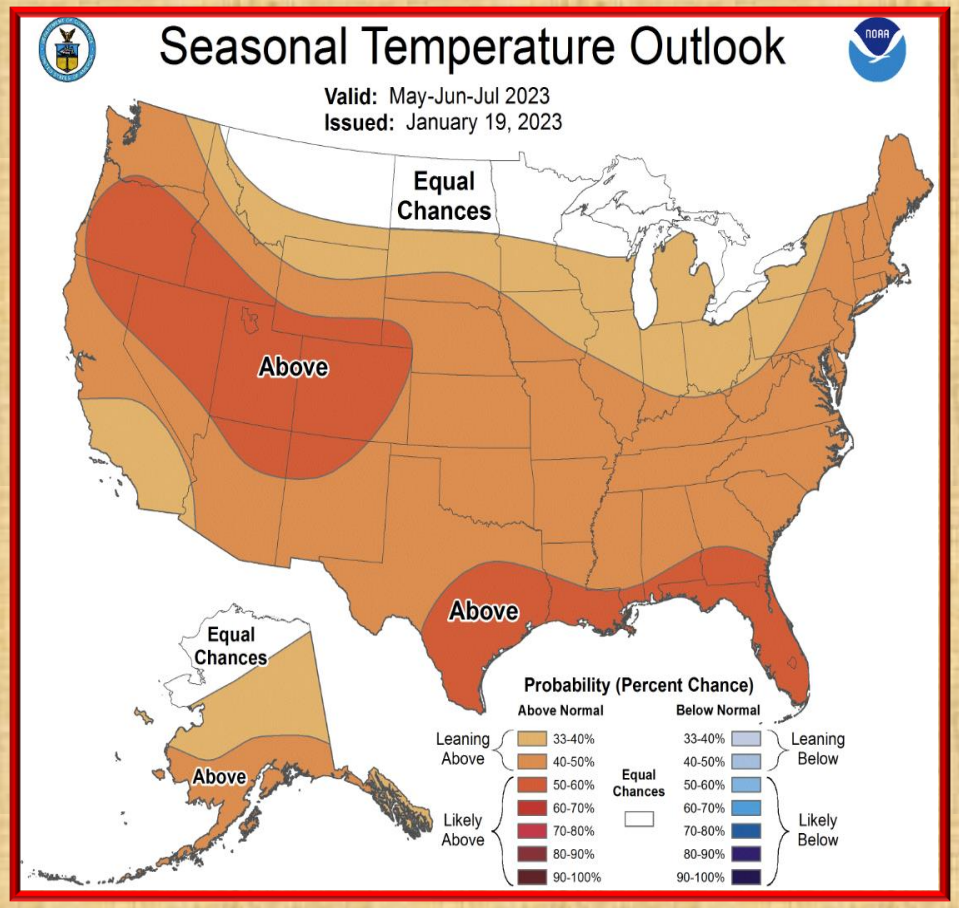


Precipitation

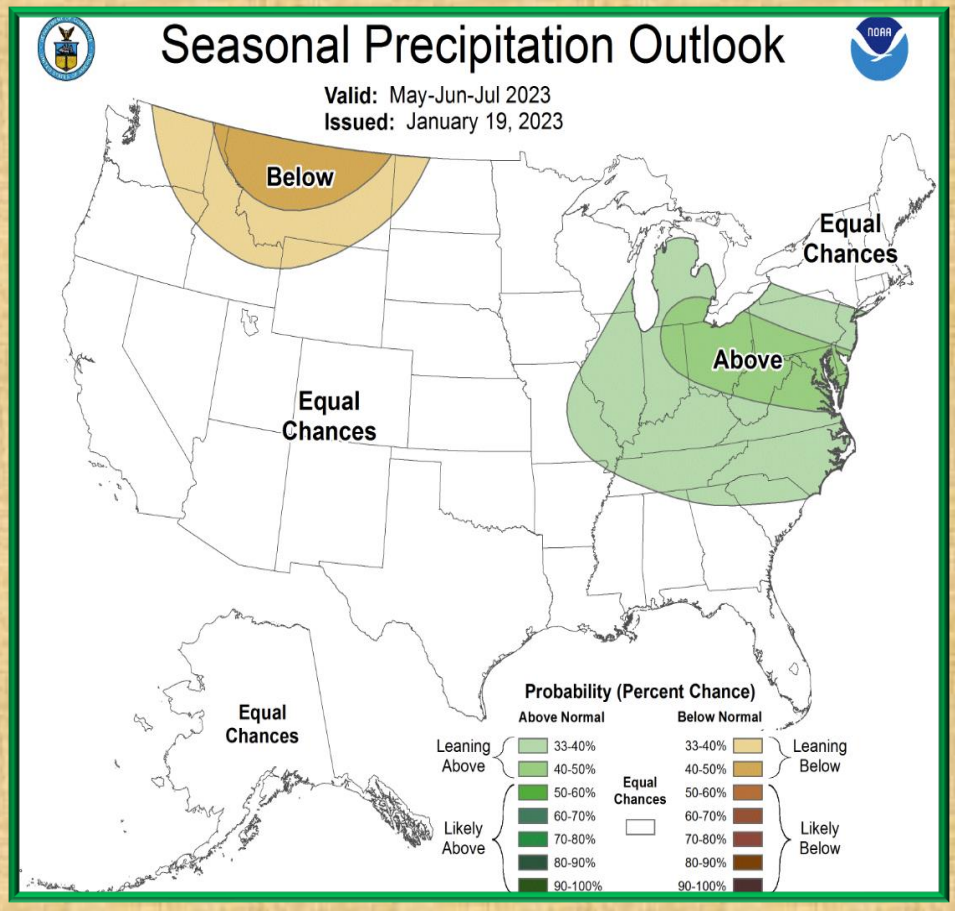


Temperature and precipitation outlook for May-Jul 2023

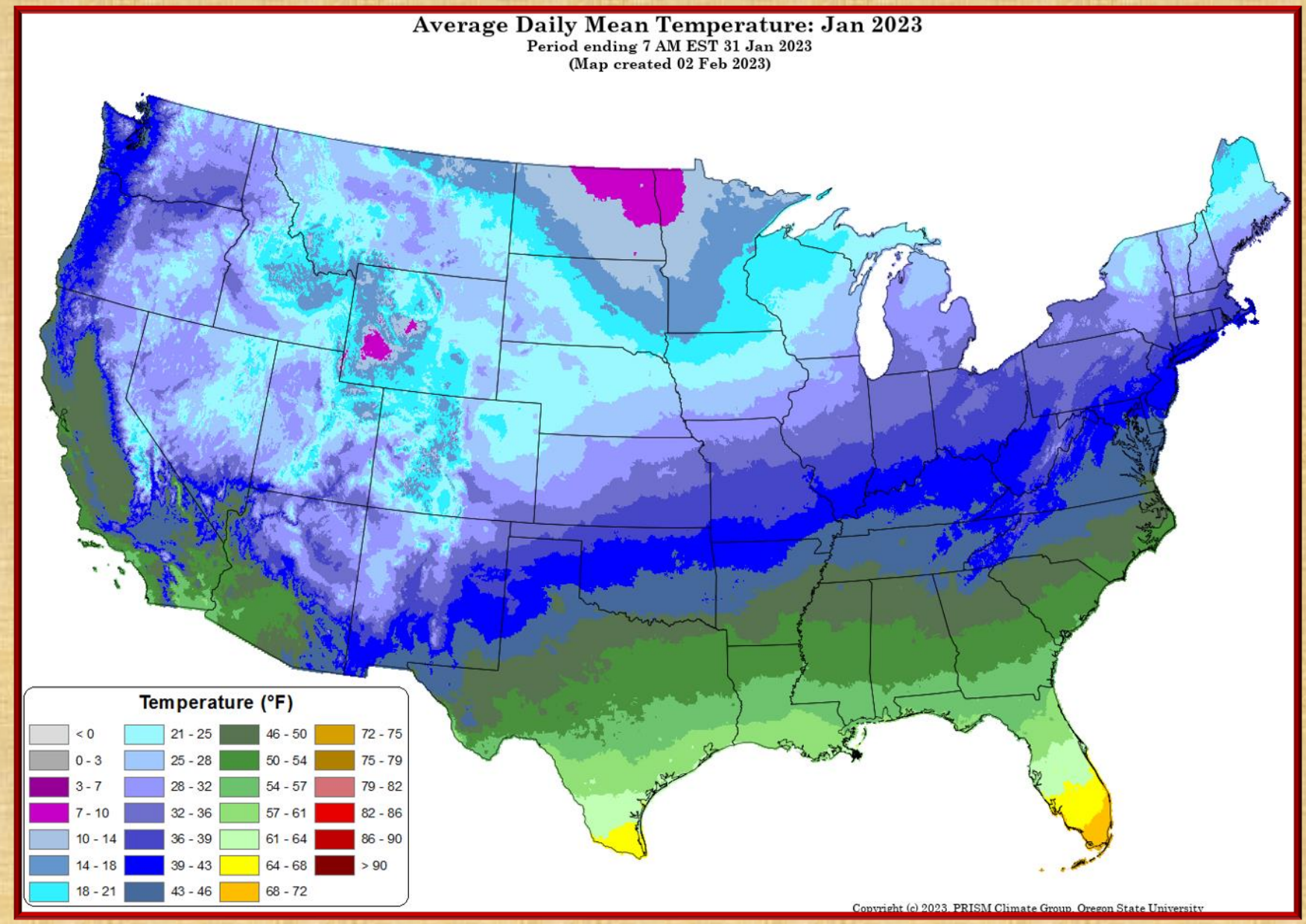
Temperature



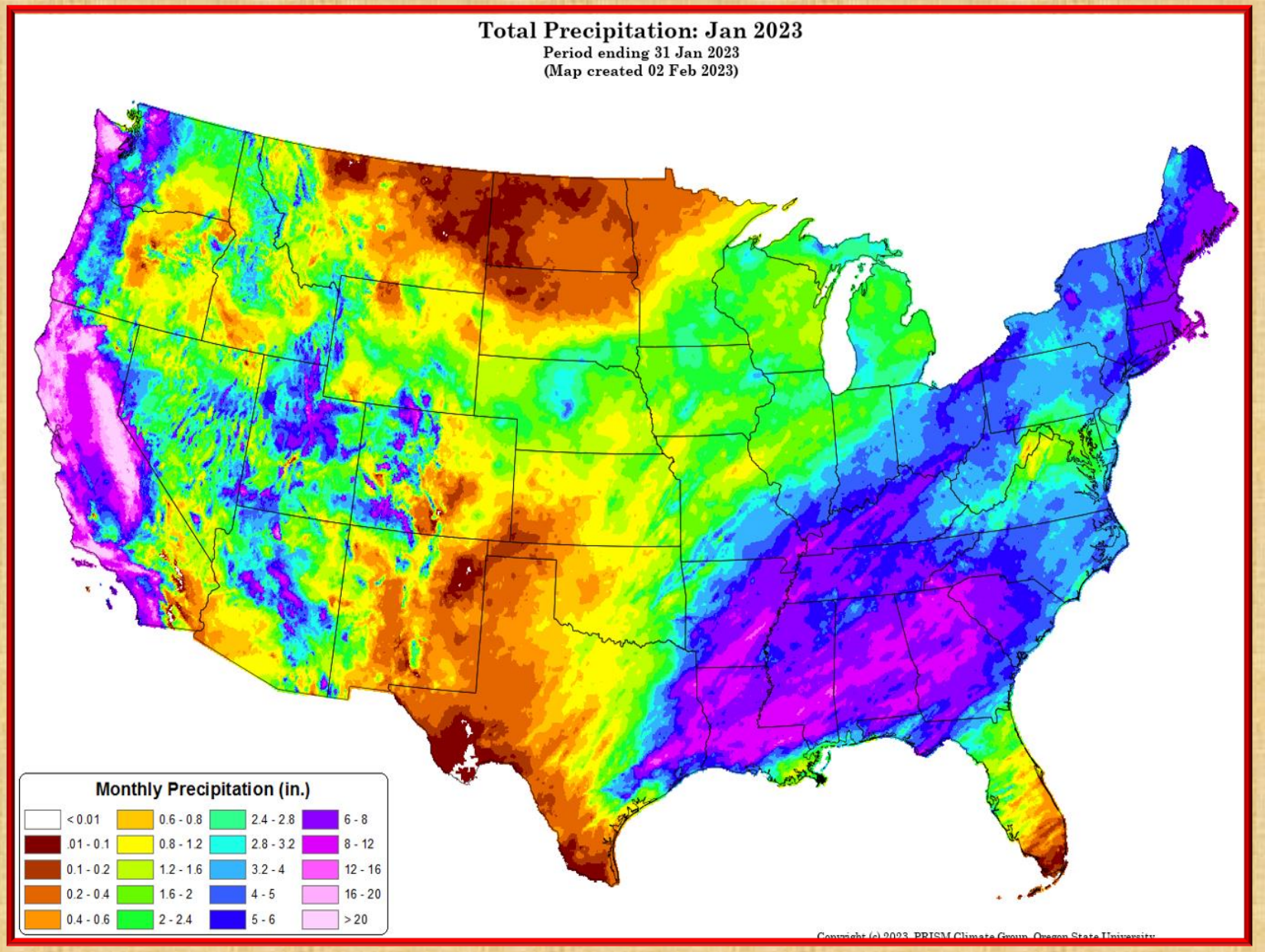
Precipitation



Average Daily Mean Temperature for January 2023



Total Precipitation for January 2023



Selected Weather Reports January 2023

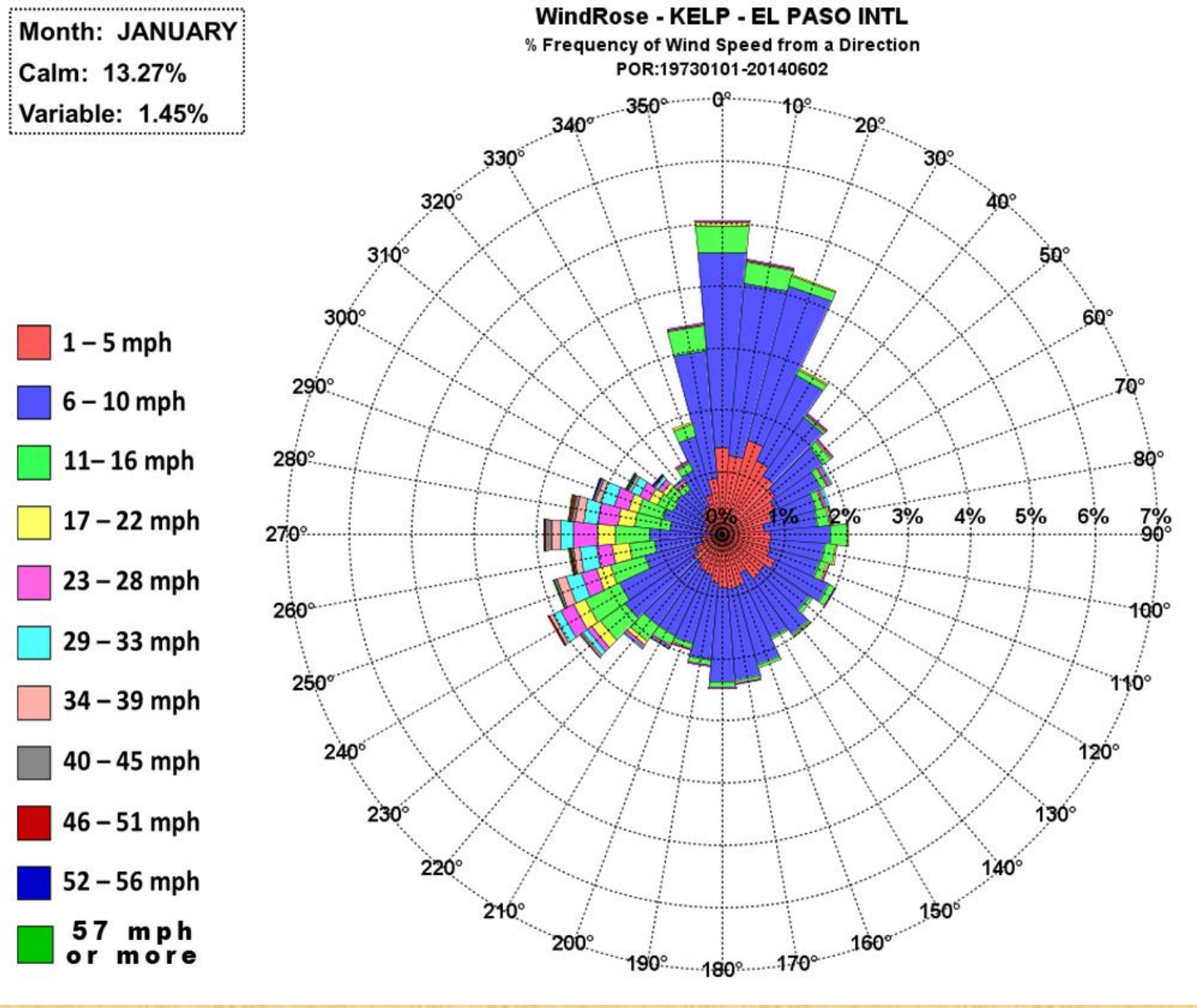
Date/Time	Location (County)	Event
JANUARY 15 945 AM	WSMR MUSEUM-DONA ANA	76 MPH PEAK WIND
JANUARY 15 950 AM	WSMR MAIN POST-DONA ANA	70 MPH PEAK WIND
JANUARY 15 935 AM	SAN AUGUSTIN PASS-DONA ANA	70 MPH PEAK WIND
JANUARY 15 1030 AM	BIGGS FIELD-EL PASO	66 MPH PEAK WIND
JANUARY 15 740 AM	CHIRICAHUA DES MUSEUM-HIDALGO	55 MPH PEAK WIND
JANUARY 15 1251 M	EL PASO INTL AIRPORT-EL PASO	55 MPH PEAK WIND
JANUARY 15 1130 AM	MAYHILL-OTERO	52 MPH PEAK WIND
JANUARY 15 105 PM	SIERRA BLANCA-HUDSPETH	51 MPH PEAK WIND
JANUARY 15 252 PM	DEMING AIRPORT-LUNA	51 MPH PEAK WIND
JANUARY 15 1155 AM	LAS CRUCES AIRPORT-DONA ANA	51 MPH PEAK WIND
JANUARY 15 1206 PM	HOLLOMAN AFB-DONA ANA	48 MPH PEAK WIND
JANUARY 15 156 PM	DELL CITY-HUDSPETH	46 MPH PEAK WIND

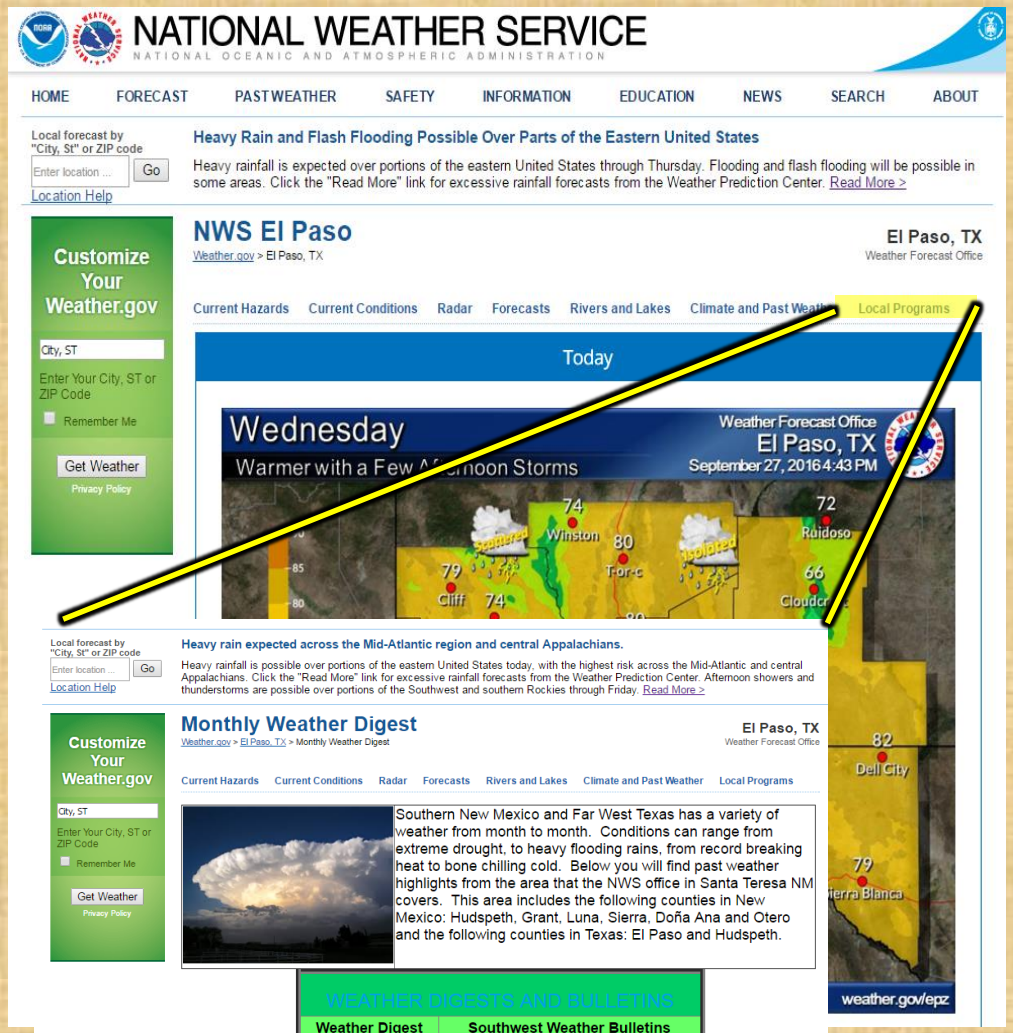
Selected Weather Reports January 2023

Date/Time	Location (County)	Event
JANUARY 15 1029 AM	HIGH ROLLS-OTERO	46 MPH PEAK WIND
JANUARY 15 126 PM	DRIPPING SPRINGS-DONA ANA	45 MPH PEAK WIND
JANUARY 15 1229 PM	SANTA TERESA NWS-DONA ANA	45 MPH PEAK WIND
JANUARY 15 217 PM	T OR C AIRPORT-SIERRA	43 MPH PEAK WIND
JANUARY 15 1000 AM	LORDSBURG PLAYA MM7-HIDALGO	41 MPH PEAK WIND
JANUARY 20 340 PM	T OR C AIRPORT-SIERRA	45 MPH PEAK WIND
JANUARY 20 340 PM	SAN AUGUSTIN PASS-DONA ANA	45 MPH PEAK WIND
JANUARY 20 215 PM	GRANT CO AIRPORT-GRANT	43 MPH PEAK WIND
JANUARY 20 410 PM	LORDSBURG PLAYA-HIDALGO	40 MPH PEAK WIND
JANUARY 20 441 PM	MESCALERO-OTERO	39 MPH PEAK WIND
JANUARY 20 131 PM	SILVER CITY MTN VIEW-GRANT	38 MPH PEAK WIND
JANUARY 20 230 PM	DEMING AIRPORT-LUNA	37 MPH PEAK WIND

Special Features

http://www.srh.noaa.gov/epz/?n=elpwindrosedata





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Just click on "Local Programs>Weather Digest", then choose which month's Digest to view. Also, though discontinued, don't forget to check out our back issues of Southwest Weather Bulletin.